

TUNG-SOL

TRIODE-PENTODE AMPLIFIER

PHYSICAL SPECIFICATIONS

EMITTER UNIPOTENTIAL CATHODE	PIN CONNECTIONS		
BASE INTERMEDIATE-8 PIN OCTAL	PIN 1 PENT.CATH.*	PIN 7 PENT.HEATER	
CAP SKIRTED MINIATURE-STYLE C	PIN 2 TRIODE HTR.	PIN 8 TRIODE GRID	
BULB T-9	PIN 3 PENT.PLATE		
MAXIMUM DIAMETER 1 5/16"	PIN 4 PENT.GRID #2		
MAXIMUM OVERALL LENGTH 3 5/16"	PIN 5 TRIODE PLATE	TOP CAP PENT.GRID #1	
MAXIMUM SEATED HEIGHT 2 3/4"	PIN 6 TRIODE CATH.		

*AND GRID #3

RATINGS

HEATER OR FILAMENT VOLTAGE (AC OR DC)	25	VOLTS
HEATER OR FILAMENT CURRENT	0.15	AMP.

DIRECT INTERELECTRODE CAPACITANCES

	PENTODE	TRIODE	
CONTROL GRID TO CATHODE	5.5	5.0	μμf
PLATE TO CATHODE	10.0	4.6	μμf
CONTROL GRID TO PLATE	0.02	2.2	μμf
PENTODE CONTROL GRID TO TRIODE GRID		0.02	μμf
PENTODE CONTROL GRID TO TRIODE PLATE		0.009	μμf
PENTODE PLATE TO TRIODE GRID		0.075	μμf

OPERATING CONDITIONS AND CHARACTERISTICS

PENTODE SECTION-CLASS A₁ AMPLIFIER

PLATE VOLTAGE	100	VOLTS
SCREEN VOLTAGE (GRID #2)	100	VOLTS
CONTROL GRID VOLTAGE (GRID #1)	-3	VOLTS
PLATE CURRENT	7.6	MA.
SCREEN CURRENT	2.0	MA.
PLATE RESISTANCE	0.185	MEGOHM
TRANSCONDUCTANCE	2000	μMHOS
AMPLIFICATION FACTOR	370	
CONTROL GRID VOLTAGE	-41	VOLTS
FOR TRANSCONDUCTANCE = 2 μMHOS		

TRIODE SECTION-CLASS A₁ AMPLIFIER

PLATE VOLTAGE	100	VOLTS
GRID VOLTAGE	-1	VOLT
PLATE CURRENT	0.6	MA.
PLATE RESISTANCE	0.075	MEGOHM
TRANSCONDUCTANCE	1500	μMHOS
AMPLIFICATION FACTOR	112.5	
GRID VOLTAGE (APPROX.)	-2.5	VOLTS
FOR PLATE CURRENT CUT-OFF		

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PLATE T897-1

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